

# Recovery Plan Action Status

Plan Name: *Cranichis ricartii* and *Lepanthes eltoensis* Recovery Plan

Plan Status: Final

Plan Date: 15-Jul-96

Lead Agency: USFWS

Lead Office: Caribbean Ecological Services Field Office

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851-7297 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
No common name ( <i>Cranichis ricartii</i> )	1	111	Develop and implement a management plan in cooperation with the Department of Natural and Environmental Resources, for the protection of <i>Cranichis ricartii</i> in the Maricao Commonwealth Forest	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	No cost anticipated.
No common name ( <i>Lepanthes eltoensis</i> ), No common name ( <i>Cranichis ricartii</i> )	1	113	Monitor known populations	Ongoing Current	FY 1995 - FY 1999	FY 2012	U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, U.S. Dept. of Agriculture	Research: Other Information	Species Expert	The populations of <i>Lepanthes eltoensis</i> are been monitored by the Forest Service and researchers from the UPR. The status of <i>cranichis</i> populations is unknown.
No common name ( <i>Lepanthes eltoensis</i> ), No common name ( <i>Cranichis ricartii</i> )	1	114	Enforce existing Commonwealth and Federal endangered species regulations	Ongoing Current	FY 1995 - FY 1999	FY 2012	U.S. Fish and Wildlife Service, Law Enforcement Division, U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, U.S. Forest Service, U.S. Dept. of Agriculture	Other: Law Enforcement	Internal Field Assistance	One PRDNER ranger half-time

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No common name (Lepanthes eltoroensis), No common name (Cranichis ricartii)	2	115	Educate the public on plant conservation values and regulations pertaining to endangered species	Ongoing Current	FY 1995 - FY 1999	FY 2012	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, U.S. Forest Service, U.S. Dept. of Agriculture	Other: Information and Education	Internal Administrative, Internal Technical Assistance	Species is included in public education programs
No common name (Lepanthes eltoroensis), No common name (Cranichis ricartii)	1	211	Identify and inventory potential sites	Ongoing Current	Prior to FY 1995	FY 2012	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, U.S. Forest Service, U.S. Dept. of Agriculture	Research: Population Surveys	Species Expert	The USDA Forest Service continue to inventory potential sites for Lepanthes and monitor the known populations.
No common name (Lepanthes eltoroensis), No common name (Cranichis ricartii)	1	212	Characterize sites to determine their suitability as future recovery sites	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, U.S. Forest Service, U.S. Dept. of Agriculture, USFWS Regional Office 4	Research	Graduate Student, Internal Technical Assistance, Species Expert	
No common name (Lepanthes eltoroensis), No common name (Cranichis ricartii)	1	213	Obtain protective status for privately owned population sites	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, U.S. Forest Service, U.S. Dept. of Agriculture, USFWS Regional Office 4	Work type not yet selected	Internal Administrative	No cost anticipated.

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No common name (Lepanthes eltoroensis), No common name (Cranichis ricartii)	1	321	Assess pollination biology	Not Started			Conservation Organizations, U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, U.S. Forest Service, U.S. Dept. of Agriculture, USFWS Regional Office 4	Research	Graduate Student, Species Expert	
No common name (Lepanthes eltoroensis), No common name (Cranichis ricartii)	1	322	Assess periodicity of seed production and germination	Not Started			Conservation Organizations, U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, U.S. Forest Service, U.S. Dept. of Agriculture, USFWS Regional Office 4	Research	Graduate Student, Species Expert	
No common name (Lepanthes eltoroensis), No common name (Cranichis ricartii)	1	331	Assess feasibility of propagation	Not Started			Conservation Organizations, U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, U.S. Forest Service, U.S. Dept. of Agriculture, USFWS Regional Office 4	Research	Graduate Student, Species Expert	

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No common name (Lepanthes eltoroensis), No common name (Cranichis ricartii)	2	332	Develop artificial propagation program	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, U.S. Forest Service, U.S. Dept. of Agriculture, USFWS Regional Office 4	Management	Contract, Internal Field Assistance, Volunteer	
No common name (Lepanthes eltoroensis), No common name (Cranichis ricartii)	1	411	Select sites and assess habitat suitability	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, U.S. Forest Service, U.S. Dept. of Agriculture	Work type not yet selected	Species Expert	Cost includes 332 and 412
No common name (Lepanthes eltoroensis), No common name (Cranichis ricartii)	2	412	Introduce and monitor plants	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, U.S. Forest Service, U.S. Dept. of Agriculture, USFWS Regional Office 4	Management	Internal Field Assistance, Volunteer	
No common name (Lepanthes eltoroensis), No common name (Cranichis ricartii)	2	51	Determine numbers of individuals and populations necessary to ensure species stability, security and self-perpetuation	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, U.S. Forest Service, U.S. Dept. of Agriculture, USFWS Regional Office 4	Management	Internal Field Assistance	

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No common name (Lepanthes eltoroensis), No common name (Cranichis ricartii)	2	52	Determine what additional actions, if any, are necessary to achieve recovery objective	Ongoing Current	FY 1995 - FY 1999	FY 2012	U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, U.S. Forest Service, U.S. Dept. of Agriculture, USFWS Regional Office 4	Management	Internal Field Assistance	